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Information Disclosure
Statement submitted under 37
C.F.R. 1.97(b)

Application Number	10/758,875
Filing Date	1/16/2004
First Inventor	Weiner, Michael L.
Examiner Name	Unknown
Art Unit	Unknown
Docket Number	MLW-630

DATE OF DEPOSIT: 3/23/2004

TITLE OF CASE:

Hybrid Nucleic Acid Assembly

The following documents are enclosed:

Certificate of Mailing (1 page)

Statement of Date of IDS (1 page)

IDS (8 pages)

Copy of references cited

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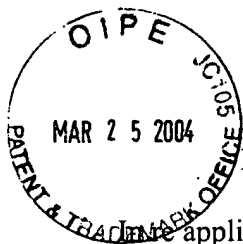
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Howard J. Greenwald P.C.
349 W. Commercial Street, Suite 2490
East Rochester, NY 14445
Telephone (585) 387-0285
Fax (585) 387-0288

The Director is authorized to charge any additional fee(s) as needed during the pendency of this application to deposit account 50-2753.

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____ Howard J. Greenwald, Reg. No. 24,247
____ John M. Hammond, Reg. No. 52,986
☒ Peter J. Mikesell, Reg. No. 54,311



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

International application of

USSN 10/758,875	DOCKET MLW-630
GROUP NO. Unknown	CONFIRMATION NO. Unknown
FILED 1/16/2004	EXAMINER Unknown
TITLE Hybrid Nucleic Acid Assembly	

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

1) The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

or

2) The Information Disclosure Statement submitted herewith contains information that was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. 37 C.F.R. section 1.97(e)(1).

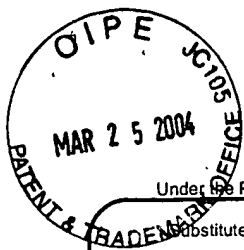
Date 3/23/2004

Signature Peter J. Mikesell

Name Peter J. Mikesell

Reg. No. 54,311

Howard J. Greenwald P.C.
349 W. Commercial Street, Suite 2490
East Rochester, NY 14445
Customer Number 37282
Telephone (585) 387-0285



PTO/SB/08A (04-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Examiner Name	Unknown
Attorney Docket Number	MLW-630

Sheet 1 of 8

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,180,385	01/30/2001	Stern et al.	
		US- 6,180,389	01/30/2001	Douglas et al.	
		US- 6,180,402	1/30/2001	Granville et al.	
		US- 6,180,612	01/30/2001	Hockensmith et al.	
		US- 6,180,782	01/30/2001	Capuder	
		US- 6,183,984	02/06/2001	Fuchs	
		US- 6,183,993	02/06/2001	Boyce et al.	
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		US- 6,187,552	02/13/2001	Roberds et al.	
		US- 6,187,559	02/13/2001	Steed et al.	
		US- 6,187,564	02/13/2001	Sytkowski	
		US- 6,187,566	02/13/2001	Dattagupta et al.	
		US- 6,187,567	02/13/2001	Li et al.	

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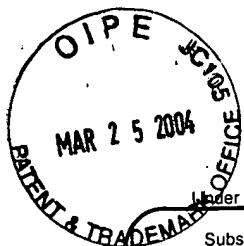
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		US- 6,187,567	02/13/2001	Li et al.	
		US- 6,187,575	02/13/2001	Sobek et al.	
		US- 6,187,578	02/13/2001	Blinkovsky et al.	
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		US- 6,043,336	03/28/2000	Miller et al.	
		US- 6,051,379	04/18/2000	Lescallett et al.	

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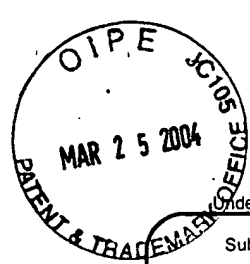
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		Number-Kind Code ² (if known)			
		US- 6,054,708	04/25/2000	Shimizu	
		US- 6,083,698	07/04/2000	Olson et al.	
		US- 6,083,708	07/04/2000	Singh et al.	
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		US- 5,641,539	06/24/1997	Afeyan et al.	
		US- 5,612,468	03/18/1997	Hawkins et al.	
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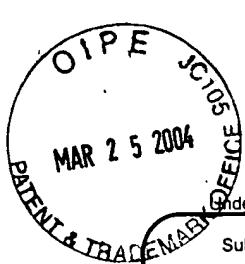
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		Number-Kind Code ² (if known)			
		US- 6,136,568	10/24/2000	Hiatt et al.	
		US- 6,146,593	11/14/2000	Pinkel et al.	
		US- 6,159,742	12/12/2000	Lieber et al.	
		US- 6,171,861	01/09/2001	Hartley et al.	
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		US- 4,582,809	04/15/1986	Block et al.	
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		US- 4,909,990	03/20/1990	Bock et al.	
		US- 4,946,824	08/07/1990	Meschke et al.	

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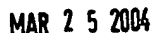
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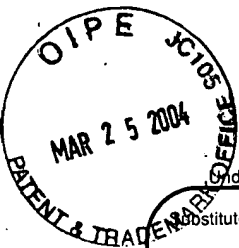
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Sheet 6	of 8	Attorney Docket Number	MLW-630

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1 ✓	R.W.MALONE et al., "Cationic Liposome-mediated RNA transfection", Proc. Natl. Acad. Sci. USA, vol 86, pp 6077-6081, August 1989	
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	4 ✓	H.K.KIMELBERG, "Differential Distribution of Liposome-Entrapped..." Biochimica et Biophysica Acta, 448 (1976) 531-550	
	5 ✓	G.STRAUSS, "Freezing and Thawing of Liposome Suspensions", Liposome Technology, p197-219, CRC Press 1984	
	6 ✓	A.R.THIERRY et al., "Liposomal Delivery as a New Approach to Transport Antisense Oligonucleotides", Gene Regulation: Biology of Antisense RNA and DNA, Raven Press, Ltd. NY 1992, p147-161	
	7 ✓	W.E.MAGEE et al., "A Comparison of Negatively and Positively Charged Liposomes..." Biochimica et Biophysica Acta, 451 (1976) 610-618	
	8 ✓	S. KAWAI et al., "New Procedure for DNA Transfection with Polycation and Dimethyl Sulfoxide", Molecular and Cellular Biology, vol 4, no 6, June 1984, p1172-1174	
	9 ✓	E. NEUMANN et al., "Gene transfer into mouse lyoma cells by electroporation in high electric fields", The EMBO Journal, Vol 1, No. 7, pp 841-845 (1982)	
	10 ✓	C.L.CEPKO et al., "Construction and Applications of a Highly Transmissible..." Cell, vol 37, p1053-1062, July 1984	

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8

Attorney Docket Number MLW-630

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11 ✓	W.E.MAGEE et al., "The Interaction of Cationic Liposomes..." J. Cell Biology, vol 63, 1974, pp 492-504	
	12 ✓	J.H.SENIOR et al., "Interaction of Positively-Charged Liposomes with blood..." Biochimica et Biophysica Acta, 1070 (1991) 173-179	
	13 ✓	F.J.MARTIN et al, "Lipid Vesicle-Cell Interactions", J. Cell Biology, vol 70, (1976) pp 515-526	
	14 ✓	P.HUG et al, "Liposomes for the transformation of Eukaryotic cells", Biochimica et Biophysica Acta, 1097 (1991) 1-17	
	15 ✓	L.D.STEGER et al, "Enzyme Therapy VI..." Biochimica et Biophysica Acta 464 (1977) 530-546	
	16 ✓	H. FINK et al, "Electrical Conduction through DNA molecules", Nature, vol 398, April 1, 1999, p 407-410	
	17 ✓	J.P. KNEMEYER et al., "Probes for Detection of Specific DNA Sequences at the Single Molecule Level", Anal. Chem, 2000, vol 72, p3717-3724	
	18 ✓	G.P.MITCHELL et al, "Programmed Assembly of DNA Functionalized Quantum Dots", J. Am. Chem. Soc. 1999, vol 121, 8122-8123	
	19 ✓	X.ZHOU et al., "Targeted delivery of DNA by liposomes and polymers", J. Controlled Release 19 (1992) p 269-274	
	20 ✓	C.NICOLAU et al, "Liposomes as carriers of DNA", vol 6, issue 3, 1989, p 238-271	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/758,875
		Filing Date	1/16/2004
		First Named Inventor	Weiner, Michael L.
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 8	of 8	Attorney Docket Number	MLW-630

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	21	P.L. FELGNER et al, "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure" Proc. Natl. Acad. Sci, USA vol 84, pp 7413-7417 November 1987	
	22	J.K.ROSE et al., "A New Cationic Liposome Reagent Mediating Nearly Quantitative Transfection of Animal Cells", Biotechniques vol 10, no 4, 1991 p 520-525	
	23	B.A.STILLMAN et al, "FAST (TM) Slides: A novel surface for Microarrays" Biotechniques, vol 29, no 3, 2000, p 630-635	
	24	F.L.GRAHAM et al., "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", Virology, 52, 456-467 (1973)	
	25	M.GRAESSMAN et al., "Microinjection and Organelle Transplantation Techniques", pp. 3-13 (Academic Press 1986)	
	26	R.L.JULIANO et al, "Pharmacokinetics of Liposome-Encapsulated Anti-tumor Drugs" Biochemical Pharmacology, vol 27, pp 21-27 1978	
	27	E.MAYHEW, "Inhibition of Tumor Cell Growth in Vitro and in Vivo by 1-B-D-Arabinofuranosylcytosine Entrapped..." Cancer Research 36, pp 4406-4411, Dec 1976	
	28	S.X. STRAUB, "Interferon Induction by Poly(I): Poly(C) Enclosed in Phospholipid Particles, Infection and Immunity Oct 1974, p 783-792	

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